Form C-122

MULTI-POINT BACK PRE	SSURE TEST	FOR	GAS	WELLS	
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Revised 12-1-55					
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Company   Pan Arestean Privates   Corp.   Lease Reborts   Cas Unit   Ps   Kell No.   1
Sec. 14
### A Sec. 14 Twp. 278 Rge. 15 Purchaser  asing 1-1/2 Wt. 10.5 I.D. Set at 6005 Perf. 7912 To 5918  whing 2-1/6 Wt. 4.7 I.D. 1.975 Set at 5922 Perf. To 5922  as Pay: From 5912 To 5918 L 5915 xG .700 _GL 4441 Bar. Press. 12  roducing Thru: Casing Tubing X Type Well single  ate of Completion: March 9, 1962 Packer Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.  OBSERVED DATA  **Type Taps**  OBSERVED DATA  **Type Taps**  **OBSERVED DATA  **Type Taps**  **Press. Diff. Temp. Press. Temp. Press. Temp. Duration of Flow Size Size psig h, Op. psig Op. psig Op. psig Op. Hr.  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
asing 1.1/2 Wt. 10,5 I.D. Set at 6005 Perf. 9712 To 9718  ubing 2.1/6 Wt. 1.7 I.D. 1.995 Set at 5922 Perf. To 522  as Fay: From 5712 To 5718 L 5715 xG .700 _GL 1111 Bar. Press. 12  roducing Thru: Casing Tubing X Type Well did:  ate of Completion: March 9, 1962 Packer Single-Bradenhead-G. G. or G.O. Dual  Reservoir Temp.  OBSERVED DATA  Steed Through Choke) Press, Diff. Temp. Press. Temp. Fress. Temp. Ouration of Flow  Size Size psig hw OF. psig OF. psig OF. Hr.  7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
as Pay: From \$12 To \$718
Tubing   X   Type   Well   Single-Bradenhead-G. G. or G.O. Dual   Reservoir   Temp.
Tubing X Type Well Size  Total Pressure Flow Temp.  Coefficient Cate of Completion:  The Pressure Flow Temp.  Coefficient Cate of Coefficient Cate of Pressure Flow Temp.  Coefficient Cate of Coefficient Cate of Cat
OBSERVED DATA  OBSERVED DATA  OBSERVED DATA  Type Taps
OBSERVED DATA  OBSERVED DATA  OBSERVED DATA  Type Taps
Flow Data  Flow Data  Choke)  Flow Data  Flow Data  Choke)  Fress. Diff. Temp. Press. Temp. Press. Temp. of Flow of Fl
Flow Data   Tubing Data   Casing Data   Ca
Flow Data  Cline)  Cline)  Size  Size  Size  Flow CALCULATIONS  Flow CALCULATIONS  Coefficient  Cline)  Coefficient  Cline)  Coefficient  Coefficient  Cline)  Press.  Flow CALCULATIONS  Flow Temp.  Factor  Factor  Factor  Factor  Factor  Factor  Factor  Flow Temp.  Flow
Cline) Size    Choke   Press   Diff   Temp   Press   Temp   Press   Temp   OF   Duration of Flow
FLOW CALCULATIONS  Coefficient  (24-Hour)
FLOW CALCULATIONS  Coefficient  (24-Hour)
FLOW CALCULATIONS  Coefficient  (24-Hour) V hwpf psia Ft Fg Fpv @ 15.025 psia  PRESSURE CALCULATIONS  PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 2017 Pc 1.000 Pc 2017 P
FLOW CALCULATIONS  Coefficient  (24-Hour)  Pressure  Flow Temp. Factor Factor Factor Factor Factor Fpv  e 15.025 psia  PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio vity of Liquid Hydrocarbons (1-e^-s)  Pt  Pt  Pt  Pt  Pt  Pt  Pt  Pt  Pt  P
FLOW CALCULATIONS  Coefficient  (24-Hour)
Coefficient  (24-Hour)  (34-Hour)  (34-Hour)
Coefficient  (24-Hour)  (34-Hour)  (44-Hour)  (54-Hour)  (55-Pov  (61-e-s)  (7-pv  (7-pv  (1-e-s)  (1-e-s)  (1-e-s)  (24-Hour)  (24-Hour)  (34-Hour)  (44-Hour)  (55-Pov  (61-Pov  (7-pv  (61-e-s)  (7-pv  (7-pv  (61-e-s)  (7-pv  (7-pv  (7-pv  (1-e-s)  (1-e-s)  (1-e-s)  (1-e-s)  (1-e-s)  (24-Hour)  (24-Hour)  (24-Hour)  (34-Hour)  (44-Hour)  (44-Hour)  (54-Hour)  (7-pv  (7-pv  (7-pv  (1-e-s)
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 2057 pc 1272,459  Pt (psia)  Pt Fc Fg Fpv 15.025 psia  Pressure Calculations  Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 2057 pc 1272,459
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 2067 Pc 4,277,469  Pw Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw Pc
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 2067 Pc 4,272,489
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 2067 Pc 4,272,469  Pt (psia) Pt FcQ (FcQ) <sup>2</sup> (FcQ) <sup>2</sup> Py Pc Pc Cal. Py Fc
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 2067 Pc 4,272,469  Pt (psia) $P_t^2$ $F_c^2$ $(F_c^2)^2$ $(F_c^2)^2$ $P_w^2$ $P_c^2$ Cal. $P_w$ $P_t$
Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas specific Gravity Flowing Fluid $P_c$
vity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid $P_c$
vity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid $P_c$
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## INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

## NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt- Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{W}}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\text{DV}}$  Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\mathbf{W}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{W}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .